WHAT IS CLAIMED IS:

1. Tuner apparatus comprising:

a mixer circuit for frequency-converting terrestrial TV broadcast or CATV broadcast wave signals supplied from a terrestrial TV broadcasting or CATV broadcasting receiver into those to fall within the bandwidth of intermediate-frequency signals of satellite TV broadcasting supplied from a satellite TV broadcasting receiver and outputting first intermediate-frequency signals;

a quadrature detector circuit to which said satellite TV broadcasting intermediate-frequency signals and said first intermediate-frequency signals are inputted; and

an oscillator circuit for supplying oscillation signals to said quadrature detector circuit;

wherein when the tuner receives satellite TV broadcasting, said oscillator circuit supplies oscillation signals in a predetermined frequency band and of a predetermined phase to said quadrature detector circuit where said satellite TV broadcasting intermediate-frequency signals supplied thereto are demodulated into baseband signals by using said oscillation signals; and

wherein when the tuner receives terrestrial TV broadcasting or CATV broadcasting, said oscillator circuit supplies oscillation signals in a predetermined frequency band

to said quadrature detector circuit where said first intermediate-frequency signals supplied thereto are frequency-converted into second intermediate-frequency signals by using said oscillation signals.

2. The tuner apparatus according to claim 1, further including a first intermediate-frequency amplifier disposed between said satellite TV broadcasting receiver and said quadrature detector circuit.

3. The tuner apparatus according to claim 1, wherein when the tuner receives said satellite TV broadcasting, said intermediate-frequency signals obtained by receiving the satellite TV broadcasting are supplied through said mixer circuit to said quadrature detector circuit and said mixer circuit operates as said first intermediate-frequency amplifier.

4. A tuner apparatus comprising:

a satellite TV broadcasting receiver for receiving satellite TV broadcast wave signals and outputting satellite TV broadcasting intermediate-frequency signals;

a terrestrial TV broadcasting or CATV broadcasting receiver for receiving terrestrial TV broadcast or CATV broadcast wave signals.

a mixer circuit for frequency-converting said terrestrial TV broadcast or CATV broadcast wave signals into

those to fall within the bandwidth of said satellite TV broadcasting intermediate-frequency signals by using first oscillation signals in a predetermined frequency band and outputting first intermediate-frequency signals.

a quadrature detector circuit to which said satellite TV broadcasting intermediate-frequency signals and said first intermediate-frequency signals are inputted;

a first oscillator circuit for supplying said first oscillation signals to said mixer circuit; and

a second oscillator circuit for supplying second oscillation signals to said quadrature detector circuit;

wherein when the tuner receives satellite TV broadcasting, said second oscillator circuit supplies said second oscillation signals in a predetermined frequency band and of a predetermined phase to said quadrature detector circuit where said satellite TV broadcasting intermediate-frequency signals supplied thereto are demodulated into baseband signals by using said second oscillation signals; and

wherein when the tuner receives terrestrial TV broadcasting or CATV broadcasting, said second oscillator circuit supplies said second oscillation signals in a predetermined frequency band to said quadrature detector circuit where said first intermediate-frequency signals

supplied thereto are frequency-converted into second intermediate-frequency signals by using said second oscillation signals.

5. The tuner apparatus according to claim 4, further including a first intermediate-frequency amplifier disposed between said satellite TV broadcasting receiver and said quadrature detector circuit.

6. The tuner apparatus according to claim 4, further including a first intermediate-frequency filter disposed between said satellite TV broadcasting receiver and said quadrature detector circuit or said mixer circuit and said quadrature detector circuit.

7. The tuner apparatus according to claim 4, further including an input bandpass filter disposed behind said satellite TV broadcasting receiver or said CATV broadcasting receiver.

8. The tuner apparatus according to claim 4, wherein when the tuner receives said satellite TV broadcasting, said intermediate-frequency signals obtained by receiving the satellite TV broadcasting are supplied through said mixer circuit to said quadrature detector circuit and said mixer circuit operates as said first intermediate-frequency amplifier.